

# CUMULATIVE INDEXES

## CONTRIBUTING AUTHORS, VOLUMES 17-26

### A

Adkison, P. L., 22:451-81  
Akre, R. D., 23:215-38  
Alloway, T. M., 17:43-56  
Ananthakrishnan, T. N.,  
24:159-83  
Andersen, S. O., 24:29-61  
Anderson, N. H., 24:351-77  
Andres, L. A., 20:31-46  
Asman, S. M., 26:289-318

### B

Baltensweiler, W., 22:79-100  
Banks, W. A., 20:1-30  
Barbosa, P., 22:431-50  
Baron, R. L., 26:29-48  
Barth, R. H., 18:445-72  
Bateman, M. A., 19:493-518  
Bay, E. C., 19:441-53  
Beardsley, J. W. Jr., 20:47-73  
Bedford, G. O., 23:125-49  
Bedford, G. O., 25:309-39  
Bellotti, A., 23:39-67  
Bennett, F. D., 20:31-46  
Bentzien, M., 26:233-58  
Benz, G., 22:79-100  
Berg, C. O., 23:239-58  
Bergerard, J., 17:57-74  
Bibikova, V. A., 22:23-32  
Blair, B. D., 22:139-55  
Bohart, G. E., 17:287-312  
Boiler, E. F., 21:223-46  
Bottrell, D. G., 22:451-81  
Bournier, A., 22:355-76  
Bovey, P., 22:79-100  
Brader, L., 24:225-54  
Brindley, T. A., 20:221-38  
Bronson, L., 26:345-71  
Brown, A. W. A., 20:285-335  
Brown, A. W. A., 25:xi-xvii  
Brown, K. S. Jr., 26:427-56  
Burke, H. R., 21:283-303  
Burts, E. C., 19:231-52

### C

Caltagirone, L. E., 18:421-44;  
26:213-32  
Cardé, R. T., 22:377-405  
Carlson, S. D., 24:379-416  
Chambers, D. L., 22:289-308  
Chapman, H. C., 19:33-59  
Chapman, P. J., 18:73-96  
Chi, C., 24:379-416  
Chiang, H. C., 18:47-72;  
23:101-23  
Chippendale, G. M., 22:121-38  
Clausen, C. P., 21:343-68  
Cloudsley-Thompson, J. L.,  
20:261-83  
Common, I. F. B., 20:183-203  
Corbet, P. S., 25:189-217  
Coulson, R. N., 24:417-47  
Croft, B. A., 20:285-335  
Cross, W. H., 18:17-46  
Crozier, R. H., 22:263-88  
Cummins, K. W., 18:183-206

### D

Dadd, R. H., 18:381-420  
Dahm, P. A., 22:483-513  
David, W. A. L., 20:97-117  
Davies, J. E., 23:353-66  
Davis, H. G., 23:215-38  
Deck, E., 20:119-31  
de Kort, C. A. D., 26:1-28  
Deluccia, V., 22:79-100  
Dufey, S. S., 25:447-77  
Dumser, J. B., 25:341-69  
Dupuis, C., 19:1-13  
Durham, W. F., 17:123-48

### E

Edmunds, G. F. Jr., 17:21-42  
Ehler, L. E., 23:367-87  
Eickwort, G. C., 25:421-46  
Elliott, M., 23:443-69  
Evenhuis, N. L., 26:159-81

### F

Falcon, L. A., 21:305-24  
Farber, P. L., 23:91-99  
Feir, D., 19:81-96  
Ferron, P., 23:409-42  
Fletcher, D. J. C., 23:151-71  
Foster, G. G., 20:461-76  
Frankie, G. W., 23:367-87  
Freed, V., 23:353-66  
Friedman, S., 23:389-407  
Friend, W. G., 22:309-31  
Fritz, R. F., 17:75-102  
Fuzreau-Braesch, S., 17:403-24

### G

Gage, S. H., 26:259-87  
Galun, R. L., 20:337-57  
Gillies, M. T., 19:345-62  
Giliula, N. B., 18:143-66  
Ginsberg, H. S., 25:421-46  
Glancey, B. M., 20:1-30  
Goeden, R. D., 21:325-42  
Goncalves, L. S., 23:197-213  
Gonzalez, R. H., 20:47-73  
Gorham, J. R., 24:209-24  
Granger, N. A., 26:1-28  
Gray, B., 17:313-54  
Gressitt, J. L., 19:293-321  
Griffiths, G. W., 25:161-87  
Guthrie, W. D., 20:221-39,  
337-57

### H

Hagedorn, H. H., 24:475-505  
Hanover, J. W., 20:75-95  
Harris, C. R., 17:177-98  
Haworth, J., 17:75-102  
Haynes, D. L., 26:259-87  
Headley, J. C., 17:273-86  
Helle, W., 18:97-120  
Hendrickson, J. A. Jr.,  
18:227-58  
Henry, J. E., 26:49-73  
Hensley, S. D., 17:149-76

Hoogstraal, H., 26:75-99  
 Horie, Y., 25:49-71  
 Houk, E. J., 25:161-87  
 Howes, P. E., 20:359-79  
 Hoyt, S. C., 19:231-52  
 Hynes, H. B. N., 21:135-53

**I**  
 Ilan, Joseph, 18:167-82  
 Ilan, Judith, 18:167-82  
 Iwantch, G. F., 25:397-419

**J**  
 Jamback, H., 18:281-304  
 Janes, N. F., 23:443-69  
 Jeanne, R. L., 25:371-96  
 Johansen, C. A., 22:177-92  
 Jones, H. L., 17:453-60

**K**  
 Kaplanis, J. N., 20:205-20  
 Keeley, L. L., 23:329-52  
 Kerr, W. E., 19:253-68  
 Kettle, D. S., 22:33-51  
 Kiritani, K., 24:279-312  
 Knutson, L., 23:239-58  
 Kogan, M., 21:247-82  
 Konzabab, M., 24:1-27  
 Krantz, G. W., 24:121-58  
 Kring, J. B., 17:461-92  
 Kristensen, N. P., 26:135-57  
 Kunkel, J. G., 24:475-505

**L**  
 Labeyrie, V., 23:69-89  
 LaChance, L. E., 19:269-91  
 Lange, W. H., 26:345-71  
 Langley, P. A., 23:283-307  
 Laveglia, J., 22:483-513  
 Leavitt, R. A., 21:61-79  
 Leonard, D. E., 19:197-229  
 Leopold, R. A., 21:199-221  
 Le Pellec, R. H., 18:121-42  
 Lester, L. J., 18:445-72  
 Levine, R., 25:287-308  
 Lewis, D. J., 19:363-84  
 Lincoln, C., 22:139-55  
 Lindquist, E. E., 24:121-58  
 Ling, L., 19:177-96  
 Lofgren, C. S., 20:1-30  
 Long, W. H., 17:149-76  
 Louda, S. M., 21:325-42

**M**  
 Mackauer, M., 21:369-85  
 Mackay, R. J., 24:185-208  
 Marks, E. P., 25:73-101  
 Martin, E. C., 18:207-26

Masaki, S., 25:1-25  
 Matthews, R. W., 19:15-32  
 May, M. L., 24:313-49  
 McDonald, P. T., 26:289-318  
 McDonald, T. J., 20:151-66  
 McGregor, S. E., 18:207-26  
 McIver, S. B., 20:381-97  
 McLintock, J., 23:17-37  
 Menzie, C. M., 17:199-222  
 Merritt, R. W., 25:103-32  
 Metcalf, R. L., 22:241-61  
 Metcalf, R. L., 25:219-56  
 Michener, C. D., 20:399-416  
 Mickel, C. E., 18:1-16  
 Miller, D. R., 24:1-27  
 Miller, T. A., 20:133-49  
 Mitchell, R., 26:373-96  
 Mon, W. W., 18:227-58

**N**  
 Nagaraja, H., 22:157-76  
 Nagarkatti, S., 22:157-76  
 Neumann, D., 21:387-414  
 Newsom, H. D., 22:333-53  
 Noiro, C., 19:61-80  
 Norgaard, R. B., 21:45-60  
 North, D. T., 20:167-82

**O**  
 Oliver, J. H. Jr., 22:407-29  
 Opler, P., 26:233-58  
 Ostmark, H. E., 19:161-76  
 Overmeer, W. P. J., 18:97-120

**P**  
 Pal, R., 19:269-91  
 Parker, G. A., 23:173-96  
 Peters, T. M., 22:431-50  
 Plapp, F. W., 21:179-97  
 Plumb, R. T., 17:425-52  
 Poinar, G. O. Jr., 17:103-22  
 Potter, C., 23:443-69  
 Powell, J. A., 25:133-59  
 Prokopy, R. J., 21:223-46  
 Prout, T., 26:289-318  
 Pschorr-Walcher, H., 22:1-22  
 Pyle, R., 26:233-58

**Q**  
 Quennedy, A., 19:61-80

**R**  
 Rabinovich, J. E., 26:101-33  
 Rainey, R. C., 19:407-39  
 Richards, A. G., 22:219-40;  
 23:309-28  
 Robbins, W. E., 20:205-20  
 Roelofs, W. L., 22:377-405

Rose, D. J. W., 23:259-82  
 Rothfels, K. H., 24:507-39  
 Rothschild, M., 20:241-59  
 Ruesink, W. G., 21:27-44  
 Russell, L. M., 23:1-15

**S**  
 Satir, P., 18:143-66  
 Schlinger, E. L., 19:232-43  
 Schreck, C. E., 22:101-19  
 Scriber, J. M., 26:183-211  
 Seabrook, W. D., 23:471-85  
 Sedell, J. R., 24:351-77  
 Selander, R. K., 19:117-38  
 Shorey, H. H., 18:349-80  
 Showers, W. B., 20:221-39  
 Singh, S. R., 24:255-78  
 Slansky, F. Jr., 26:183-211  
 Smith, E. H., 21:1-25  
 Smith, J. J. B., 22:309-31  
 Smith, R. F., 23:353-66  
 Southgate, B. J., 24:449-73  
 Sparks, A. N., 20:221-39  
 Spieth, H. T., 19:385-405  
 Staal, G. B., 20:417-60  
 Stairs, G. R., 17:355-72  
 Stark, R. W., 25:479-509  
 Starks, K. J., 20:337-57  
 Steelman, C. D., 21:155-78  
 Steffan, W. A., 26:159-81  
 Stern, V. M., 18:259-80  
 Stinner, R. E., 22:515-31  
 Stort, A. C., 23:197-213  
 Strong, D. R. Jr., 24:89-119  
 Su, G. C. C., 21:61-79  
 Svoboda, J. A., 20:205-20  
 Sylvester, E. S., 25:257-86

**T**  
 Tauber, C. A., 21:81-107  
 Tauber, M. J., 21:81-107  
 Teetes, G. L., 22:193-218  
 Thompson, M. J., 20:205-20  
 Timley, T. W., 24:63-87  
 Tobe, S. S., 23:283-307  
 Tremblay, E., 18:421-44  
 Turnblaw, A. L., 18:305-48  
 Turnipseed, S. G., 21:247-82

**U**  
 Ulrich, W., 17:1-20

**V**  
 Vanderzant, E. S., 19:139-60  
 van Emden, H. F., 19:455-75;  
 24:255-78  
 Van Schoonhoven, A.,  
 23:39-67

Vinson, S. B., 21:109-33  
Vinson, S. B., 25:397-419

## W

Wagner, R. P., 19:117-38  
Wallace, J. B., 25:103-32  
Watanabe, H., 25:49-71  
Waters, T. F., 17:253-72  
Waters, W. E., 25:479-509  
Watson, M. A., 17:425-52

Welling, W., 22:53-78  
Wharton, G. W., 23:309-28  
Whitcomb, R. F., 26:397-425  
Whitten, J. M., 17:373-402  
Whitten, M. J., 20:461-76  
Wiggins, G. B., 24:185-208  
Wilhm, J., 17:223-52  
Williams, C. H., 17:123-48  
Williams, G. F., 19:455-75  
Willis, J. H., 19:97-115  
Wilson, M., 25:287-308

Wootton, R. J., 26:319-44  
Wright, J. W., 17:75-102

## Y

Young, W. R., 22:193-218

## Z

Zabik, M. J., 21:61-79  
Zacharuk, R. Y., 25:27-47  
Zeledón, R., 26:101-33

## CHAPTER TITLES, VOLUMES 17-26

### ACARINES AND ARACHNIDS

Evolution of Phytophagous Mites (Acari) G. W. Krantz, E. E. Lindquist 24:121-58

### AGRICULTURAL ENTOMOLOGY

Insect Pests of Sugar Cane	W. H. Long, S. D. Hensley	17:149-76
Economics of Agricultural Pest Control	J. C. Headley	17:273-86
A Critique of the Status of Plant Regulatory and Quarantine Activities in the United States	H. L. Jones	17:453-60
The Ecology of Fruit Flies	M. A. Bateman	17:493-518
Coffee Insects	R. H. Le Pelley	18:121-42
Economic Thresholds	V. M. Stern	18:259-80
Economic Insect Pests of Bananas	H. E. Ostmark	19:161-76
Plant Pest Control of the International Front	L. Ling	19:177-96
Recent Developments in Ecology and Control of the Gypsy Moth	D. E. Leonard	19:197-229
Integrated Control of Fruit Pests	S. C. Hoyt, E. C. Burts	19:231-52
Biometeorology and Insect Flight: Some Aspects of Energy Exchange	R. C. Rainey	19:407-39
Physiology of Tree Resistance to Insects	J. W. Hanover	20:75-95
Recent Research Advances on the European Corn Borer in North America	T. A. Brindley, A. N. Sparks, W. H. Showers, W. D. Guthrie	20:221-39
Plant Resistance to Insects Attacking Cereals	R. L. Gallum, K. J. Starks, W. D. Guthrie	20:337-57
Insect Growth Regulators with Juvenile Hormone Activity	G. B. Stasi	20:417-60
Status of the Systems Approach to Pest Management	W. G. Ruesink	21:27-44
Soybean Entomology	S. G. Turnipseed, M. Kogan	21:247-82
Extension Entomology: A Critique	C. Lincoln, D. B. Blair	22:139-55
Quality Control in Mass Rearing	D. L. Chambers	22:289-308
Pest Management in Corn	H. C. Chiang	23:101-23
Agromedical Approach to Pesticide Management	J. E. Davies, R. F. Smith, V. Freed	23:353-66
Integrated Pest Control in the Developing World	L. Brader	24:225-54
Insect Pests of Grain Legumes	S. R. Singh, H. F. van Emden	24:255-78
Pest Management in Rice	K. Kiritani	24:279-312
Changing Role of Insecticides in Crop Protection	R. L. Metcalf	25:219-56
The Cereal Leaf Beetle in North America	D. L. Haynes, S. H. Gage	26:259-87
<b>APICULTURE AND POLLINATION</b>		
Management of Wild Bees for the Pollination of Crops	G. E. Bohart	17:287-312
Changing Trends in Insect Pollination of Commercial Crops	E. C. Martin, S. E. McGregor	18:207-26
Advances in Cytology and Genetics of Bees	W. E. Kerr	19:253-68
The Brazilian Bee Problem	C. D. Michener	20:399-416
Pesticides and Pollinators	C. A. Johansen	22:177-92
The African Bee, <i>Apis mellifera adansonii</i> , in Africa	D. J. C. Fletcher	23:151-71
Foraging and Mating Behavior in Apoidea	G. C. Eickwort, H. S. Ginsberg	25:421-46

**BEHAVIOR**

Learning and Memory in Insects	T. M. Alloway	17:43-56
Flight Behavior of Aphids	J. B. Kring	17:461-92
Behavioral Responses to Insect Pheromones	H. H. Shorey	18:349-80
Neuro-Hormonal Control of Sexual Behavior in Insects	R. H. Barth, L. J. Lester	18:455-72
Courtship Behavior in <i>Drosophila</i>	H. T. Spieth	19:385-405
Brain Structure and Behavior in Insects	P. E. Howse	20:359-79
Host Selection by Insect Parasitoids	S. B. Vinson	21:109-33
Phoresy Among Entomophagous Insects	C. P. Clausen	21:343-68
Factors Affecting Feeding by Bloodsucking Insects	W. G. Friend, J. J. B. Smith	22:309-31
Responses of Lepidoptera to Synthetic Sex Pheromone Chemicals and Their Analogues	W. L. Roelofs, R. T. Cardé	22:377-405
Evolution of Competitive Mate Searching	G. A. Parker	23:173-96
Evolution of Social Behavior in the Vespidae	R. L. Jeanne	25:371-96
Foraging and Mating Behavior in Apoidea	G. C. Eickwort, H. S. Ginsberg	25:421-46

**BIOCHEMISTRY**

Endocrine Regulation of Fat Body Development and Function	L. L. Keeley	23:329-52
Trehalose Regulation, One Aspect of Metabolic Homeostasis	S. Friedman	23:389-407
Biochemistry of Insect Cuticle	S. O. Andersen	24:29-61
Insect Thermoregulation	M. L. May	24:313-49

**BIOGEOGRAPHY**

See **SYSTEMATICS, EVOLUTION AND BIOGEOGRAPHY**

**BIOLOGICAL CONTROL**

Biology of Braconidae	R. W. Matthews	19:15-32
Biological Control of Mosquito Larvae	H. C. Chapman	19:33-59
Biological Control of Aquatic Weeds	L. A. Andres, F. D. Bennett	20:31-46
Host Selection by Insect Parasitoids	S. B. Vinson	21:109-33
Problems Associated with the Use of Arthropod Viruses in Pest Control	L. A. Falcon	21:305-24
Biotic Interference with Insects Imported for Weed Control	R. D. Goeden, S. M. Louda	21:325-42
Phoresy Among Entomophagous Insects	C. P. Clausen	21:343-68
Genetic Problems in the Production of Biological Control Agents	M. Mackauer	21:369-85
Biological Control of Forest Insects	H. Pischorn-Walcher	22:1-22
Efficacy of Inundative Releases	R. E. Stinner	22:516-31
Biological Control of Insect Pests by Entomogenous Fungi	P. Ferron	23:409-42
Integrated Pest Control in the Developing World	L. Brader	24:255-54
Host Suitability for Insect Parasitoids	S. B. Vinson, G. F. Iwantsch	25:397-419
Natural and Applied Control of Insects by Protozoa	J. E. Henry	26:49-73
Landmark Examples in Classical Biological Control	L. E. Caltagirone	26:213-32

**BIONOMICS**

See also **ECOLOGY**

Biology, Control, and Eradication of the Boll Weevil	W. H. Cross	18:17-46
Bionomics of the Northern and Western Corn Rootworms	H. C. Chiang	18:47-72
Bionomics of the Apple-Feeding Tortricidae	P. J. Chapman	18:73-96
Recent Developments in Control of Blackflies	H. Jamnback	18:281-304
Biology of Braconidae	R. W. Matthews	19:15-32

The Biology and Ecology of Armored Scales	J. W. Beardsley Jr., R. H. Gonzalez	20:47-73
Bionomics and Management of <i>Rhagoletis</i>	E. F. Boller, R. J. Prokopy	21:223-46
Bionomics of the Anthomomine Weevils	H. R. Burke	21:283-303
Contemporary Views on the Interrelationships Between Fleas and the Pathogens of Human and Animal Diseases	V. A. Bibikova	22:23-32
Biology and Bionomics of Bloodsucking Ceratopogonids	D. S. Kettle	22:33-51
Biology and Ecology of the Phasmatodea	G. O. Bedford	23:125-49
Biology of the Bruchidae	B. J. Southgate	24:449-73
Biology of Odonata	P. S. Corbet	25:189-217
Biology, Ecology, and Control of Palm Rhinoceros Beetles	G. O. Bedford	25:309-39
Biology of <i>Toxorhyynchites</i>	Wallace A. Steffan, N. L. Evenhuis	26:159-81

## ECOLOGY

See also BIONOMICS; POPULATION

ECOLOGY; and BEHAVIOR

Graphic and Mathematical Analyses of Biotic Communities in Polluted Streams	J. Wilham	17:223-52
The Drift of Stream Insects	T. F. Waters	17:253-72
The Ecology of Fruit Flies	M. A. Bateman	17:493-518
Trophic Relations of Aquatic Insects	K. W. Cummins	18:183-206
Ecology of the True Spiders (Araneomorphae)	A. L. Turnbull	18:305-48
Recent Developments in Ecology and Control of the Gypsy Moth	D. E. Leonard	19:197-229
Predator-Prey Relationships Among Aquatic Insects	E. C. Bay	19:441-53
Insect Stability and Diversity in Agro-Ecosystems	H. F. van Emden, G. F. Williams	19:455-75
The Biology and Ecology of Armored Scales	J. W. Beardsley Jr., R. H. Gonzalez	20:47-73
Adaptations of Arthropoda to Arid Environments	J. L. Cloudsley-Thompson	20:261-83
Responses of Arthropod Natural Enemies to Insecticides	B. A. Croft, A. W. A. Brown	20:285-335
Insect Seasonality: Diapause Maintenance, Termination, and Postdiapause Development	M. J. Tauber, C. A. Tauber	21:81-107
Biology of Plecoptera	H. B. N. Hynes	21:135-53
Biotic Interference with Insects Imported for Weed Control	R. D. Goeden, S. M. Louda	21:325-42
Adaptations of Chironomids to Intertidal Environments	D. Neumann	21:387-414
Influence of Population Density on Size, Fecundity, and Developmental Rate of Insects in Culture	T. M. Peters, P. Barbosa	22:431-50
The Significance of the Environment in the Control of Insect Fecundity	V. Labeyrie	23:69-89
Ecology of Insects in Urban Environments	G. W. Frankie, L. E. Ehler	23:367-87
Recent Advances in the Study of Scale Insects	D. R. Miller, M. Kosztarab	24:1-27
Ecological Diversity in Trichopters	R. J. Mackay, G. B. Wiggins	24:185-208
Detritus Processing by Macroinvertebrates in Stream Ecosystems	N. H. Anderson, J. R. Sedell	24:351-77
Filter-Feeding Ecology of Aquatic Insects	J. B. Wallace, R. W. Merritt	25:103-32
Biology of Odonata	P. S. Corbet	25:189-217
Ecological Theory and Pest Management	R. Levins, M. Wilson	25:287-308
Biology, Ecology, and Control of Palm Rhinoceros Beetles	G. O. Bedford	25:309-39

Foraging and Mating Behavior in Apoidea	G. C. Eickwort, H. S. Ginsberg	25:421-46
The Nutritional Ecology of Immature Insects	J. M. Scriber, F. Slansky, Jr.	26:183-211
Insect Conservation	R. Pyle, M. Bentzien, P. Opler	26:233-58
Insect Behavior, Resource Exploitation, and Fitness	R. Mitchell	26:373-96
<b>EVOLUTION</b>		
See SYSTEMATICS, EVOLUTION, AND BIOGEOGRAPHY		
<b>FOREST ENTOMOLOGY</b>		
Economic Tropical Forest Entomology	B. Gray	17:313-54
Pathogenic Microorganisms in the Regulation of Forest Insect Populations	G. R. Stairs	17:355-72
Dynamics of Larch Bud Moth Populations	W. Baltensweiler, G. Benz, P. Bovey, V. Delucchi	22:79-100
Population Dynamics of Bark Beetles	R. N. Coulson	24:417-47
Forest Pest Management: Concept and Reality	W. E. Waters, R. W. Stark	25:479-509
<b>GENETICS</b>		
Variability in Tetranychid Mites	W. Helle, W. P. J. Overmeer	18:97-120
Advances in Cytology and Genetics of Bees	W. E. Kerr	19:253-68
The Operational Feasibility of Genetic Methods for Control of Insects of Medical and Veterinary Importance	R. Pal, L. E. LaChance	19:269-91
Inherited Sterility in Lepidoptera	D. T. North	20:167-82
Genetical Methods of Pest Control	M. J. Whitten, G. G. Foster	20:461-76
Biochemical Genetics of Insecticide Resistance	F. W. Plapp	21:179-97
Genetic Problems in the Production of Biological Control Agents	M. Mackauer	21:369-85
Evolutionary Genetics of the Hymenoptera	R. H. Crozier	22:263-88
Cytogenetics of Mites and Ticks	J. H. Oliver Jr.	22:407-29
Honey Bee Improvement Through Behavioral Genetics	L. S. Goncalves, A. C. Stort	23:197-213
Recent Advances in the Study of Scale Insects	D. R. Miller, M. Kosztarab	24:1-27
Cytotaxonomy of Black Flies (Simuliidae)	K. H. Rothfels	24:507-39
Field Studies of Genetic Control Systems for Mosquitoes	S. M. Asman, P. T. McDonald, T. Prout	26:289-318
<b>HISTORICAL</b>		
Hermann Burmeister, 1807 to 1892	W. Ulrich	17:1-20
John Ray: Indefatigable Student of Nature	C. E. Mickel	18:1-16
Pierre Andre Latreille (1762-1833): The Foremost Entomologist of His Time	C. Dupuis	19:1-13
The Comstocks and Cornell: In the People's Service	E. H. Smith	21:1-25
Leland Ossian Howard: A Historical Review	L. M. Russell	23:1-15
A Historical Perspective on the Impact of the Type Concept on Insect Systematics	P. Farber	23:91-99
The First Twenty-Five Years of the Annual Review of Entomology: An Overview	A. W. A. Brown	25:xi-xxvii
<b>INSECTICIDES AND TOXICOLOGY</b>		
Mutagenic, Teratogenic, and Carcinogenic Properties of Pesticides	W. F. Durham, C. H. Williams	17:123-48
Factors Influencing the Effectiveness of Soil Insecticides	C. R. Harris	17:177-98
Fate of Pesticides in the Environment	C. M. Menzie	17:199-222
Federal and State Pesticide Regulations and Legislation	E. Deck	20:119-31
The Economics of Improving Pesticide Use	R. B. Norgaard	21:45-60

Photochemistry of Bioactive Compounds: A Review of Pesticide Photochemistry	M. J. Zabik, R. A. Leavitt, G. C. Su	21:61-79
Biochemical Genetics of Insecticide Resistance	F. W. Plapp	21:179-97
Dynamics Aspects of Insect-Insecticide Interactions	W. Welling	22:53-78
Model Ecosystem Approach to Insecticide Degradation: A Critique	R. L. Metcalf	22:241-61
Degradation of Organophosphorus and Carbamate Insecticides in the Soil and by Soil Microorganisms	J. Laveglia, P. A. Dahm	22:483-513
The Future of Pyrethroids in Insect Control	M. Elliott, N. F. James, C. Potter	23:443-69
Changing Role of Insecticides in Crop Protection	R. L. Metcalf	25:219-56
Delayed Neurotoxicity and Other Consequences of Organophosphate Esters	R. L. Baron	26:29-48
<b>MAJOR CROPS ENTOMOLOGY</b>		
Soybean Entomology	S. G. Turnipseed, M. Kogan	21:247-82
Sorghum Entomology	W. R. Young, G. L. Teetes	22:193-218
Grape Insects	A. Bournier	22:355-76
Cotton Insect Pest Management	D. G. Bottrell, P. L. Adkisson	22:451-81
Mite and Insect Pests of Cassava	A. Bellotti, A. van Schoonhoven	23:39-67
Insect Pests of Grain Legumes	S. R. Singh, H. F. van Emden	24:255-78
Pest Management in Rice	K. Kiritani	24:279-312
Insect Pests of Tomatoes	W. H. Lange, L. Bronson	26:345-71
<b>MEDICAL AND VETERINARY ENTOMOLOGY</b>		
Changing Concepts of Vector Control in Malaria Eradication	J. W. Wright, R. F. Fritz, J. Haworth	17:75-102
Mutagenic, Teratogenic, and Carcinogenic Properties of Pesticides	W. F. Durham, C. H. Williams	17:123-48
The Operational Feasibility of Genetic Methods for Control of Insects of Medical and Veterinary Importance	R. Pal, L. E. LaChance	19:269-91
Methods of Assessing the Density and Survival of Blood-Sucking Diptera	M. T. Gillies	19:345-62
The Biology of Phlebotomidae in Relation to Leishmaniasis	D. J. Lewis	19:363-84
Biology and Control of Imported Fire Ants	C. S. Lofgren, W. A. Banks, B. M. Glancey	20:1-30
Recent Advances in Our Knowledge of the Order Siphonaptera	M. Rothschild	20:241-59
Effects of External and Internal Arthropod Parasites on Domestic Livestock Production	C. D. Steelman	21:155-78
Techniques for the Evaluation of Insect Repellents: A Critical Review	C. E. Schreck	22:101-19
Arthropod Problems in Recreation Areas	H. D. Newson	22:333-53
Mosquito-Virus Relationships of American Encephalitides	J. McLintock	23:17-37
The Significance for Human Health of Insects in Food	J. R. Gorham	24:209-24
Changing Patterns of Tickborne Diseases in Modern Society	H. Hoogstraal	27:75-99
Chagas' Disease: An Ecological Appraisal With Special Emphasis on Its Insect Vectors	R. Zeledón, J. E. Rabinovich	26:101-33
<b>MORPHOLOGY</b>		
Comparative Anatomy of the Tracheal System	J. M. Whitten	17:373-402
Pigments and Color Changes	S. Fuzeau-Braesch	17:403-24

The Fine Structure of Membranes and	
Intercellular Communication in Insects	
Fate of Polar Bodies in Insects	
Fine Structure of Insect Epidermal Glands	
Morphogenetic Action of Insect Hormones	
Structure of Cuticular Mechanoreceptors of	
Arthropods	
The Role of Male Accessory Glands in Insect	
Reproduction	
The Peritrophic Membranes of Insects	
The Functional Morphology of the Insect	
Photoreceptor	
Ultrastructure and Function of Insect	
Chemosensilla	
Intracellular Symbiotes of the Homoptera	

P. Satir, N. B. Gidula	18:143-66
E. Tremblay, L. E. Caltagirone	18:421-44
C. Noirot, A. Quennedey	19:61-80
J. H. Willis	19:97-115
S. B. McIver	20:381-97
R. A. Leopold	21:199-221
A. G. Richards, P. A. Richards	22:219-40
S. D. Carlson, C. Chi	24:379-416
R. Y. Zacharuk	25:27-47
E. J. Houk, G. W. Griffiths	25:161-87

## NUTRITION

See PHYSIOLOGY

## PATHOLOGY

Nematodes as Facultative Parasites of Insects	
Pathogenic Microorganisms in the Regulation	
of Forest Insect Populations	
The Status of Viruses Pathogenic for Insects	
and Mites	
Problems Associated with the Use of	
Arthropod Viruses in Pest Control	
The Potential of Insect Pathogenic Viruses as	
Pesticidal Agents	

G. O. Poinar Jr.	17:103-22
G. R. Stairs	17:355-72
W. A. L. David	20:97-117
L. A. Falcon	21:305-24
T. W. Tinsley	24:63-87

## PHYSIOLOGY

Environmental and Physiological Control of	
Sex Determination and Differentiation	
Pigments and Color Changes	
Protein Synthesis and Insect Morphogenesis	
Insect Nutrition: Current Developments and	
Metabolic Implications	
Oncopeltus fasciatus: A Research Animal	
Morphogenetic Action of Insect Hormones	
Isozymes in Insects and Their Significance	
Development, Significance, and Application of	
Artificial Diets for Insects	
Biometry and Insect Flight: Some	
Aspects of Energy Exchange	
Neurosecretion and the Control of Visceral	
Organs in Insects	
Neuromuscular Pharmacology of Insects	
Recent Developments in Insect Steroid	
Metabolism	

J. Bergerard	17:57-74
S. Fuzenau-Braesch	17:403-24
J. Ilan, J. Ilan	18:167-82
R. H. Dadd	18:381-420
D. Feir	19:81-96
J. H. Willis	19:97-115
R. P. Wagner, R. K. Selander	19:117-38
E. S. Vanderzant	19:139-60
R. C. Rainey	19:407-39
T. A. Miller	20:133-49
T. J. McDonald	20:151-66
J. A. Svoboda, J. N. Kaplanis, W.	
E. Robbins, M. J. Thompson	20:205-2

Insect Seasonality: Diapause Maintenance,	
Termination, and Postdiapause	
Development	
The Role of Male Accessory Glands in Insect	
Reproduction	
Hormonal Regulation of Larval Diapause	
Reproductive Physiology of <i>Glossina</i>	
Water Vapor Exchange Kinetics in Insects	
and Acarines	
Neurobiological Contributions to	
Understanding Insect Pheromone Systems	
Vitellogenin and Vitellin in Insects	

M. J. Tauber, C. A. Tauber	21:81-107
R. A. Leopold	21:199-221
G. M. Chippindale	22:121-38
S. S. Tobe, P. A. Langley	23:283-307
G. W. Wharton, A. G. Richards	23:309-28
W. D. Seabrook	23:471-85
H. H. Hagedorn, J. G. Kunkel	24:475-505

Summer Diapause	S. Masaki	25:1-25
Insect Tissue Culture: An Overview 1971-1978	E. P. Marks	25:73-101
Intracellular Symbiotes of the Homoptera	E. J. Houk, G. W. Griffiths	25:161-87
The Regulation of Spermatogenesis in Insects	J. B. Dumser	25:341-69
Host Suitability for Insect Parasitoids Insects	S. B. Vinson, G. F. Iwantsch	25:397-419
Sequestration of Plant Natural Products by		
Regulation of the Juvenile Hormone Titer	S. S. Duffey	25:447-77
	C. A. D. de Kort, N. A. Granger	26:1-28
<b>POLLINATION</b>		
See APICULTURE AND POLLINATION		
<b>POPULATION ECOLOGY</b>		
Graphic and Mathematical Analyses of Biotic Communities in Polluted Streams	J. Wilhm	17:223-52
Status of the Systems Approach to Pest Management	W. G. Ruesink	21:27-44
<b>SERICULTURE</b>		
Recent Advances in Sericulture	Y. Horie, H. Watanabe	25:49-71
<b>SOCIAL INSECTS</b>		
Biology and Pest Status of Venomous Wasps	R. D. Akre, H. G. Davis	23:215-38
<b>SYSTEMATICS, EVOLUTION, AND BIOGEOGRAPHY</b>		
Biogeography and Evolution of Ephemeroptera	G. F. Edmunds Jr.	17:21-42
Numerical Taxonomy	W. W. Moss, J. A. Hendrickson Jr.	18:227-58
Insect Biogeography	J. L. Gressitt	19:293-321
Continental Drift, Nothofagus, and Some Ecologically Associated Insects	E. I. Schlinger	19:323-43
Evolution and Classification of the Lepidoptera	I. F. B. Common	20:183-203
Biosystematics of Trichogramma and Trichogrammatoidae Species	S. Nagarkatti, H. Nagaraja	22:157-76
Biology and Systematics of the Scionyzidae	C. O. Berg, L. Knutson	23:239-58
Recent Advances in the Study of Scale Insects	D. R. Miller, M. Kosztarab	24:1-27
Biogeographic Dynamics of Insect-Host Plant Communities	D. R. Strong Jr.	24:89-119
Evolution of Phytophagous Mites (Acari)	G. W. Krantz, E. E. Lindquist	24:121-58
Biosystematics of Thysanoptera	T. N. Ananthakrishnan	24:159-83
Evolution of Larval Food Preferences in Microlepidoptera	J. A. Powell	25:133-59
Phylogeny of Insect Orders	N. P. Kristensen	26:135-57
Palaeozoic Insects	R. J. Wootton	26:319-44
The Biology of Heliconius and Related Genera	K. S. Brown, Jr.	26:427-56
<b>VECTORS OF PLANT PATHOGENS</b>		
Transmission of Plant-Pathogenic Viruses by Aphids	M. A. Watson, R. T. Plumb	17:425-52
Epidemiology of Maize Streak Disease	D. J. W. Rose	23:259-82
Circulative and Propagative Virus Transmission by Aphids	E. S. Sylvester	25:257-86
The Biology of Spiroplasmas	R. F. Whitcomb	26:397-425

